

## Manuscript # 002A: Case-Control Analysis of Atherosclerosis and Established Risk factors

### Proposed Group Members:

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### Background:

Manuscript #002 is currently proceeding with the analysis of ultrasonographically-measured atherosclerosis and established risk factors. It is also the responsibility of this writing group to complete the definition and testing of ultrasound variables and to carry out the multivariate analyses with attention to missing data. Because of the statistical technique used (and the complexity of the statistical models), the manuscript is restricted to a small set of risk factors, is proceeding slowly, and uses average far wall thickness as its dependent variable.

### Aim:

Carry out a case-control analysis of established risk factors, contrasting cases and controls as defined by the ARIC protocol and discussed during the May 8, 1990, meeting of the ARIC steering committee. The manuscript will replicate the analyses (and hopefully the findings) presented as a poster at the International Conference on Preventive Cardiology, June 1988. With the benefit of a larger set of case-control pairs, possible effect modification by gender, age (and numbers permitting also race), will be carried out.

### Data Needed:

Exposure variables: Total, LDL-, and HDL-Cholesterol, triglyceride, cigarette smoking, blood pressure and hypertension.

Covariates: Age, gender, race, anthropometric measures.